ABSTRACT

An optical disc drive includes a laser diode 21 which oscillates in multimode, a first plane-of-polarization preserving fiber 33, and a second plane-of-polarization preserving fiber 36. The first plane-of-polarization preserving fiber 33 and second plane-of-polarization preserving fiber 36 form an optical path for transmitting the laser beam irradiated from the laser diode 21, and variation of polarization state which arises due to the transmission of the laser beam by one of the plane-of-polarization preserving fibers is compensated by the other of the plane-of-polarization preserving fibers. Thus, the beam can be transmitted with its polarization state maintained.